JS

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Effective Transpiration - year to year variation

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The 30 year record of April-September Effective Transpiration of the Tech Bull 24 stations were examined for the expected 10 year extremes and quartiles. A reasonable correlation with annual average rainfall (Ra) was found, leading to approximations based on the following formulae, in terms of percentage of average:-

Lowest in 10 years	0.017 Ra + 67	(0.69)
Lower Quartile	0.12 Ra + 80	(0.67)
Upper Quartile	- 0.01 Ra + 119	(0.72)
Highest in 10 years	- 0.019 Ra + 133	(0.71)

It is suggested that the same percentages could be used for an approximate variation pattern about the average Effective Transpiration during the growing season without too much error.

Any comments or suggestions on this paper should be referred to the author.

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